

Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2016, Rhode Island

Year	Coal	Natural Gas ^a	Petroleum						Hydro-electric Power ^{e,f}	Biomass		Geo-thermal ^f	Solar ^{f,i}	Retail Electricity Sales	Net Energy ^{f,j}	Electrical System Energy Losses ^k	Total ^{f,j}
			Distillate Fuel Oil	HGL ^b	Motor Gasoline ^c	Residual Fuel Oil	Other ^d	Total		Wood and Waste ^{f,g}	Losses and Co-products ^h						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Million kWh	Million kWh							
1960	4	3	367	31	6	4,051	1,107	5,561	1	--	--	--	NA	916	--	--	--
1965	4	4	431	61	5	2,135	1,403	4,036	(s)	--	--	--	NA	1,274	--	--	--
1970	2	6	672	162	3	3,246	1,301	5,384	0	--	--	--	NA	1,253	--	--	--
1975	2	6	440	297	3	1,916	1,514	4,170	0	--	--	--	NA	1,191	--	--	--
1980	4	5	415	149	2	654	1,279	2,499	0	--	--	--	NA	1,399	--	--	--
1985	4	5	275	150	26	973	3,047	4,472	0	--	--	--	NA	1,300	--	--	--
1990	(s)	4	279	156	35	453	1,770	2,692	0	--	--	--	(s)	1,354	--	--	--
1995	0	35	280	119	54	372	1,072	1,898	0	--	--	--	(s)	1,374	--	--	--
1996	0	26	294	112	47	315	437	1,204	0	--	--	--	(s)	1,351	--	--	--
1997	0	24	342	38	51	295	375	1,102	0	--	--	--	(s)	1,386	--	--	--
1998	0	42	249	43	45	294	405	1,035	0	--	--	--	(s)	1,458	--	--	--
1999	0	35	235	197	24	266	440	1,161	0	--	--	--	(s)	1,158	--	--	--
2000	0	8	165	118	33	257	308	881	0	--	--	--	(s)	1,394	--	--	--
2001	0	6	120	144	82	204	299	848	0	--	--	--	(s)	1,386	--	--	--
2002	0	4	151	207	104	249	286	998	0	--	--	--	(s)	1,331	--	--	--
2003	0	4	243	104	104	310	423	1,184	0	--	--	--	(s)	1,309	--	--	--
2004	0	6	251	75	104	276	262	967	0	--	--	--	(s)	1,345	--	--	--
2005	0	6	204	140	105	291	426	1,166	0	--	--	--	(s)	1,250	--	--	--
2006	0	6	216	157	115	217	400	1,105	0	--	--	--	(s)	1,191	--	--	--
2007	0	7	164	117	154	175	97	706	0	--	--	--	(s)	1,171	--	--	--
2008	0	7	96	85	156	77	1,356	1,770	0	--	--	--	(s)	1,075	--	--	--
2009	0	8	162	85	148	229	880	1,504	0	--	--	--	(s)	990	--	--	--
2010	0	8	149	81	113	87	R 1,007	R 1,437	0	--	--	--	(s)	961	--	--	--
2011	0	7	124	87	110	94	R 757	R 1,172	0	--	--	--	(s)	916	--	--	--
2012	0	8	102	109	116	24	R 845	R 1,195	0	--	--	--	(s)	923	--	--	--
2013	0	8	86	136	121	5	R 1,094	R 1,443	0	--	--	--	(s)	923	--	--	--
2014	0	8	115	142	118	10	R 1,107	R 1,492	0	--	--	--	(s)	887	--	--	--
2015	0	9	95	138	119	17	R 1,050	R 1,418	0	--	--	--	0	799	--	--	--
2016	0	8	117	136	120	38	889	1,299	0	--	--	--	0	764	--	--	--

Trillion Btu																	
1960	0.1	3.0	2.1	0.1	(s)	25.5	7.1	34.8	(s)	1.8	NA	NA	NA	3.1	42.8	7.7	50.5
1965	0.1	4.4	2.5	0.3	(s)	13.4	8.9	25.1	(s)	2.6	NA	NA	NA	4.3	36.6	10.4	46.9
1970	(s)	5.9	3.9	0.6	(s)	20.4	8.3	33.2	0.0	4.0	NA	NA	NA	4.3	47.5	10.3	57.8
1975	0.1	5.9	2.6	1.1	(s)	12.0	9.9	25.6	0.0	2.7	NA	NA	NA	4.1	38.3	9.7	48.1
1980	0.1	5.2	2.4	0.5	(s)	4.1	8.3	15.4	0.0	0.0	NA	NA	NA	4.8	25.4	11.5	36.8
1985	0.1	4.8	1.6	0.5	0.1	6.1	20.2	28.6	0.0	0.0	0.0	NA	NA	4.4	37.8	10.2	48.0
1990	(s)	4.5	1.6	0.6	0.2	2.8	11.6	16.8	0.0	0.0	0.0	0.0	(s)	4.6	25.9	11.4	37.3
1995	0.0	36.0	1.6	0.4	0.3	2.3	7.1	11.7	0.0	0.2	0.0	0.0	(s)	4.7	52.6	7.4	60.1
1996	0.0	28.4	1.7	0.4	0.2	2.0	2.8	7.1	0.0	0.3	0.0	0.0	(s)	4.6	40.4	6.6	47.1
1997	0.0	25.4	2.0	0.1	0.3	1.9	2.4	6.7	0.0	0.3	0.0	0.0	(s)	4.7	37.0	6.2	43.2
1998	0.0	43.4	1.4	0.2	0.2	1.8	2.6	6.3	0.0	0.2	0.0	0.0	(s)	5.0	54.9	6.4	61.3
1999	0.0	35.6	1.4	0.7	0.1	1.7	2.8	6.7	0.0	0.3	0.0	0.0	(s)	4.0	46.4	5.6	52.1
2000	0.0	8.4	1.0	0.4	0.2	1.6	2.0	5.1	0.0	0.2	0.0	0.0	(s)	4.8	18.5	6.8	25.3
2001	0.0	6.3	0.7	0.5	0.4	1.3	1.9	4.8	0.0	0.2	0.0	0.0	(s)	4.7	16.1	6.8	22.9
2002	0.0	4.6	0.9	0.7	0.5	1.6	1.8	5.5	0.0	0.1	0.0	0.0	(s)	4.5	14.7	7.0	21.7
2003	0.0	4.6	1.4	0.4	0.5	2.0	2.7	7.0	0.0	0.1	0.0	0.0	(s)	4.5	16.1	7.8	23.9
2004	0.0	5.7	1.5	0.3	0.5	1.7	1.7	5.7	0.0	0.1	0.0	0.0	(s)	4.6	16.0	8.1	24.2
2005	0.0	6.0	1.2	0.5	0.5	1.8	2.7	6.8	0.0	0.1	0.0	0.0	(s)	4.3	17.2	6.7	23.9
2006	0.0	6.5	1.3	0.6	0.6	1.4	2.6	6.3	0.0	0.1	0.0	0.0	(s)	4.1	17.0	6.6	23.6
2007	0.0	6.9	0.9	0.4	0.8	1.1	0.6	3.8	0.0	0.1	0.0	0.0	(s)	4.0	14.7	6.2	20.9
2008	0.0	6.9	0.6	0.3	0.8	0.5	8.9	11.0	0.0	0.1	0.0	0.0	(s)	3.7	21.7	5.1	26.8
2009	0.0	7.9	0.9	0.3	0.8	1.4	5.8	9.2	0.0	0.1	0.0	0.0	(s)	3.4	R 20.6	4.4	R 24.9
2010	0.0	8.2	0.9	0.3	0.6	0.5	6.6	R 8.9	0.0	0.1	0.0	0.0	(s)	3.3	R 20.5	4.6	R 25.1
2011	0.0	7.6	0.7	0.3	0.6	0.6	5.0	R 7.2	0.0	0.1	0.0	0.0	(s)	3.1	R 18.1	4.1	R 22.2
2012	0.0	8.1	0.6	0.4	0.6	0.1	5.6	R 7.3	0.0	0.1	0.0	0.0	(s)	3.2	R 18.6	4.5	R 23.1
2013	0.0	8.4	0.5	0.5	0.6	(s)	7.2	R 8.9	0.0	0.1	0.0	0.0	(s)	3.1	R 20.5	5.2	R 25.8
2014	0.0	8.2	0.7	0.5	0.6	0.1	7.3	R 9.1	0.0	0.1	0.0	0.0	(s)	3.0	R 20.5	4.8	R 25.3
2015	0.0	8.9	0.5	0.5	0.6	0.1	6.9	R 8.7	0.0	0.1	0.0	0.0	0.0	2.7	R 20.4	4.2	R 24.6
2016	0.0	8.7	0.7	0.5	0.6	0.2	5.8	7.9	0.0	0.1	0.0	0.0	0.0	2.6	19.3	4.0	23.6

^a Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

^b Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

^c Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.

^d Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

^e Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

^g Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

^h Losses and co-products from the production of fuel ethanol.

ⁱ Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.

^j For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline

column. Beginning in 2009, includes a small amount of wind energy consumed by industrial utility-scale facilities. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

^k Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

kWh = Kilowatthours. -- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.